# ANNALS of PHYSICS



VOLUME 229 • 1994

ACADEMIC PRESS, INC.
Harcourt Brace & Company
San Diego New York Boston
London Sydney Tokyo Toronto

0003-4916/94 $9.00

This journal is printed on acid-free paper.

*Printed by Catherine Press, Ltd., Brugge, Belgium*

# CONTENTS OF VOLUME 229

## Number 1, January 1994



## Number 2, February 1, 1994

**Figures** should be numbered consecutively with Arabic numerals in order of mention in the text; each figure should have a descriptive legend. Legends should be typed together on a separate sheet, double-spaced. All figures and illustrations are to be submitted in such form as to permit photographic reproduction without retouching or redrawing. Lettering on drawings should be of professional quality or generated by *high-resolution* computer graphics and should be large enough (10–12 points) to take a reduction of 50–60%. Drawings should be made with black India ink on tracing linen, smooth-surface white paper, or Bristol board, no larger than $8.5 \times 11.5$-inches overall ($21 \times 27.5$ cm). Alternatively, *high-quality* computer graphics may be acceptable. Graph paper, if used, should be ruled in blue. High-quality glossy prints are acceptable. **Photocopy prints are not acceptable;** however, copies of figures must be included in each copy of the manuscript.

**Tables.** Number tables consecutively with Roman numerals. Extensive tables will be reproduced photographically and so should be typed carefully and in the *exact* format desired. Authors will be charged for any new photoreproductions necessitated by changes in proof. Use superscript lowercase italic letters for footnotes and type immediately below the table. Type tables double-spaced, including titles and footnotes. Do *not* underline table titles; reserve underlining for text that is to be *italicized.*

**Equations** should be typewritten and the number in parentheses at the right margin. Reference to equations should use the form "Eq. (3)" or simply (3). Superscripts and subscripts should be typed or handwritten clearly above and below the line, respectively. Use the exponent $^{1/2}$ wherever possible.

**"Style."** In general, authors should be guided by the *Style Manual,* 1990, of the American Institute of Physics, 335 East 45 Street, New York, NY 10017, **but**

**References** should be styled and punctuated according to the following examples:

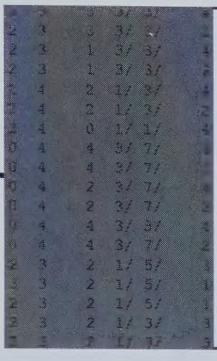
1. H. D. Sivak, *Ann. Phys. (N.Y.)* **159** (1985), 351.
2. G. B. Arfken, "Mathematical Methods for Physicists," 3rd ed., p. 20, Academic Press, New York, 1985.
3. J. M. Aitken and E. A. Irene, *in* "Treatise on Materials Science and Technology" (H. Herman, Ed.), Vol. 24, p. 50, Academic Press, New York, 1985.

Cite references in the text by an Arabic numeral between square brackets, as [1], [1, 2], [1, Theorem 1.5], etc. Type references consecutively on a separate page, double- or triple-spaced throughout.

**Footnotes** in text should be avoided if at all possible. If they must be used, identify by superscript numbers and type together on a separate page, double- or triple-spaced.

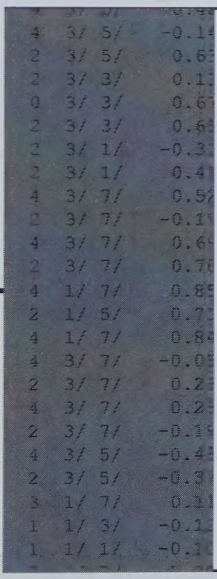
**Proofs.** Proofs will be sent to the author, with a reprint order form. Authors will be charged for alterations in excess of 10% of the cost of composition.

**Reprints.** Fifty reprints without covers will be provided free of charge. Additional reprints may be purchased; an order form will be included with the proofs.



# Atomic Data and Nuclear Data Tables



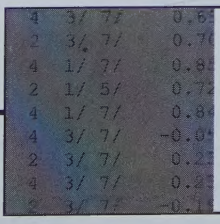


**Atomic Data and Nuclear Data Tables** presents compilations of experimental and theoretical information in atomic physics, nuclear physics, and closely related fields. The journal is devoted to the publication of tables and graphs of general usefulness to researchers in both basic and applied areas. Extensive and comprehensive compilations of experimental and theoretical results are featured.

## Research Areas Include

- Collision processes
- Energy levels
- Interaction cross sections
- Penetration of charged particles through matter
- Spectroscopy
- Transition probabilities
- Wavefunctions
- X rays


Volumes 56–58 (1994), 6 issues (including cumulative author & subject indexes)
ISSN 0092-640X
In the U.S.A. and Canada: $390.00
All other countries: $460.00

A cumulative index and privileged personal rates are available upon request.
For more information, please write or call:

# Atomic Data and Nuclear Data Tables